

AIRBLAST Plastic Blast Media

Overview



Product and Applications

Our plastic blast media (PBM) are used for gentle cleaning, paint stripping and de-flashing. Since it is harder than the coating and softer than the substrate, coatings can be stripped without really damaging the surface. The material can be reused and is also suitable for more sensitive substrates like aluminum, composites and plastic.

Type A is made of not fully hardened Urea, Melamin and Phenol molding parts. This is a cost efficient alternative to the PBM types as mentioned next.

Type II is made of fully hardened Urea molding parts and moistened with a special anti-static agent. Type II / Urea is the most commonly used plastic abrasive media and is used for various applications. PBM Type II is certified by the US Air force according to MIL-P-85891.

Type III is made of fully hardened Melamin molding parts and moistened with an anti-static agent. Type III has the highest hardness of the PBM, which makes it more aggressive with a fast cleaning rate, also on heavier coatings. It is less suitable for more sensitive substrates. PBM Type III is certified by the US Air force according to MIL-P-85891.

Type V is made of fully hardened Acrylic parts and moistened with an anti-static agent. It is the least aggressive of the PBM and therefore suitable for blasting soft/thin nonferrous metals and composite parts. Blasting is delicate, without damaging soft metals, galvanic coatings and composites. PBM Type V is certified by the US Air force according to MIL-P-85891.

Chemical Composition

- Granulated Aminoplast (Urea / Melamin / Acrylic)
- According to ISO 2112 / DIN 7708 Typ 131 / 131.5

Physical Properties

	Type A	Type II	Type III	Type V
Grain Shape	Angular	Angular	Angular	Angular
Colour	Grey / Black	Multicolour	Multicolour	Multicolour
Hardness in Mohs	3.0 - 4.0	3.5	3.5 - 4.0	3.0 - 3.5
Density	1.48 g / cm ³	1.48 g / cm ³	1.48 g / cm ³	1.15 g / cm ³
Bulk Density	0.78 g / cm ³	0.78 g / cm ³	0.78 g / cm ³	0.60 g / cm ³
Shelf Life	Unlimited if stored in a dry place			

Specifications

Type II, III and V are MIL-P-85891 approved.

Grain Sizes

	Type A	Type II	Type III	Type V
0,20 - 0,60 mm	X			
0,60 - 1,00 mm	X			
1,00 - 1,60 mm	X			
12-16# - 1,20 - 1,70 mm		X	X	X
12-20# - 0,80 - 1,70 mm		X	X	X
16-20# - 0,80 - 1,20 mm		X	X	X
20-30# - 0,60 - 0,80 mm		X	X	X
20-40# - 0,40 - 0,80 mm		X	X	X
30-40# - 0,40 - 0,60 mm		X	X	X
30-60# - 0,25 - 0,60 mm		X	X	X
40-60# - 0,25 - 0,40 mm		X	X	X
60-80# - 0,18 - 0,25 mm		X	X	X

Packaging

- 25 kg bags
- 1.000 kg on a pallet
- Minimum Order qty. 25 kg